



1-2-3 Go! Stronger, Simpler, Safer!

The **new** Raynger® 3i Plus handheld infrared thermometer for hot environments

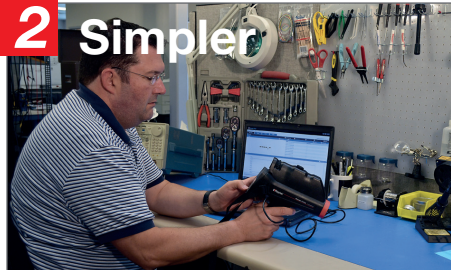
1 Stronger



Need a rugged, durable infrared thermometer?

- Rugged design reduces risk of damage and minimizes service costs – withstands 1 m drop
- More data sampling, ensuring faster processing time
- Longer operational cycle (24 h) - Rechargeable batteries
- Flexible for wide range of applications/temperatures
- Highly accurate temperature measurement

2 Simpler



Need an easy-to-use instrument?

- Intuitive user interface for easy parameter set-up, enabling 'on-site' display of data analysis and trending
- Dual laser for fast and simple data capture and saving
- Fast and easy data transfer to PC or smartphone, using USB or Bluetooth®

3 Safer



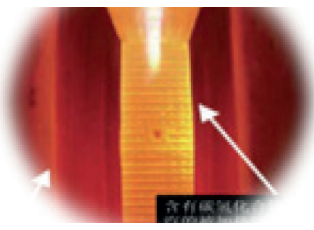
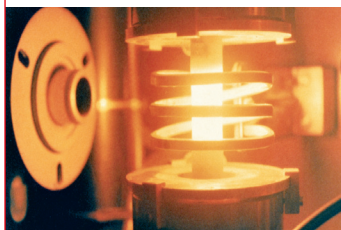
Want a safer work environment?

- High optical resolution ensures accurate temperature readings at longer distances
- 'Red Nose' heat-resistant warning -detector and alarm ensures operator safety and efficiency
- Dual laser and scope sighting, even against 'red hot' backgrounds (patent pending)

More value for you ...

- Improved product quality
- Reduced reject rates
- Reduced energy cost
- Better traceability of production processes
- Higher operator efficiency and safety

Raynger® 3i Plus - Value for your Application...



Applications:

Metals

Chamber, Coke Plant, Ladle, Tapping
Hole, Torpedo Car, Tuyeres

Casting, Forging, Heat treatment,
Rolling, Welding

How can the 3i Plus add value to your process?

- Measures the process temperature to maintain product quality
- Verifies the accuracy of fixed sensors

Winning Features:

- D:S allows long distance measurement
- 1 m drop protection for prolonged life
- Profile function: customers can easily record and retrieve data history

Petrochemical

Furnace tube

- Detects the furnace tube temperature, preventing the risk of shutdown, caused by a broken tube

- D:S allows long distance measurement
- Large data memory, supports up to 4900 data points
- 1 m drop protection for prolonged life
- High accuracy: $\pm(0.5\% \text{ of reading} + 1^\circ\text{C})$
- Exposure time <40 ms
- Trending function
- Background/Transmissivity compensation

Power Plant

Boiler

- Detects the internal temperature of the boiler, preventing boiler coking

- D:S allows long distance measurement
- Alarm function
- 1 m drop protection for prolonged life
- High accuracy: $\pm(0.5\% \text{ of reading} + 1^\circ\text{C})$
- Background/Transmissivity compensation